

Product Name: TRIM3 Rabbit Polyclonal Antibody**Catalog #: APRab19273**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:20000-1:40000
Molecular Weight	81kDa

Antigen Information

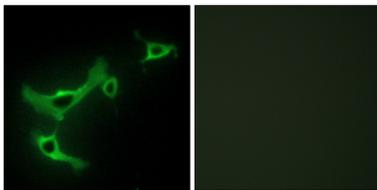
Gene Name	TRIM3
Alternative Names	TRIM3; BERP; RNF22; RNF97; Tripartite motif-containing protein 3; Brain-expressed RING finger protein; RING finger protein 22; RING finger protein 97
Gene ID	10612.0
SwissProt ID	O75382
Immunogen	The antiserum was produced against synthesized peptide derived from human TRIM3. AA range:1-50

Background

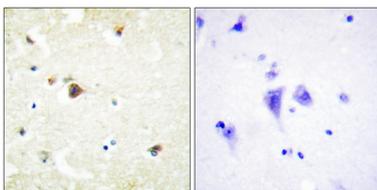
The protein encoded by this gene is a member of the tripartite motif (TRIM) family, also called the 'RING-B-box-coiled-coil' (RBCC) subgroup of RING finger proteins. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. This protein localizes to cytoplasmic filaments. It is similar to a rat protein which is a specific partner for the tail domain of myosin V, a class of myosins which are involved in the targeted transport of organelles. The rat protein can also interact with alpha-actinin-4. Thus it is suggested that this human protein may play a role in myosin V-mediated cargo transport. Alternatively spliced transcript variants encoding the same isoform have been identified. [provided by RefSeq, Jul 2008],domain:The interaction with myosin V is dependent upon its NHL repeats, which form a beta-propeller (NHL) domain containing six blades.,similarity:Belongs to the TRIM/RBCC family.,similarity:Contains 1 B box-type zinc finger.,similarity:Contains 1 filamin repeat.,similarity:Contains 1 RING-type zinc finger.,similarity:Contains 6 NHL repeats.,subunit:Associates with myosin V and alpha-actinin-4 (ACTN4).,tissue specificity:Expressed in brain, heart, uterus and testis.,

Research Area

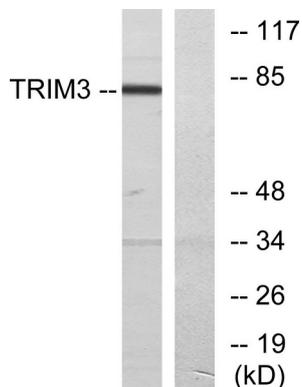
Image Data



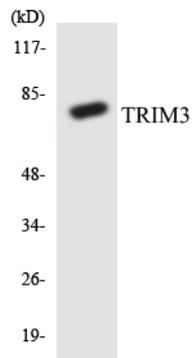
Immunofluorescence analysis of NIH/3T3 cells, using TRIM3 Antibody. The picture on the right is blocked with the synthesized peptide.



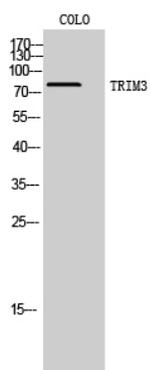
Immunohistochemistry analysis of paraffin-embedded human brain tissue, using TRIM3 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COLO cells, using TRIM3 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from Jurkat cells using TRIM3 antibody.



Western Blot analysis of COLO cells using TRIM3 Polyclonal Antibody. Secondary antibody was diluted at 1:20000